

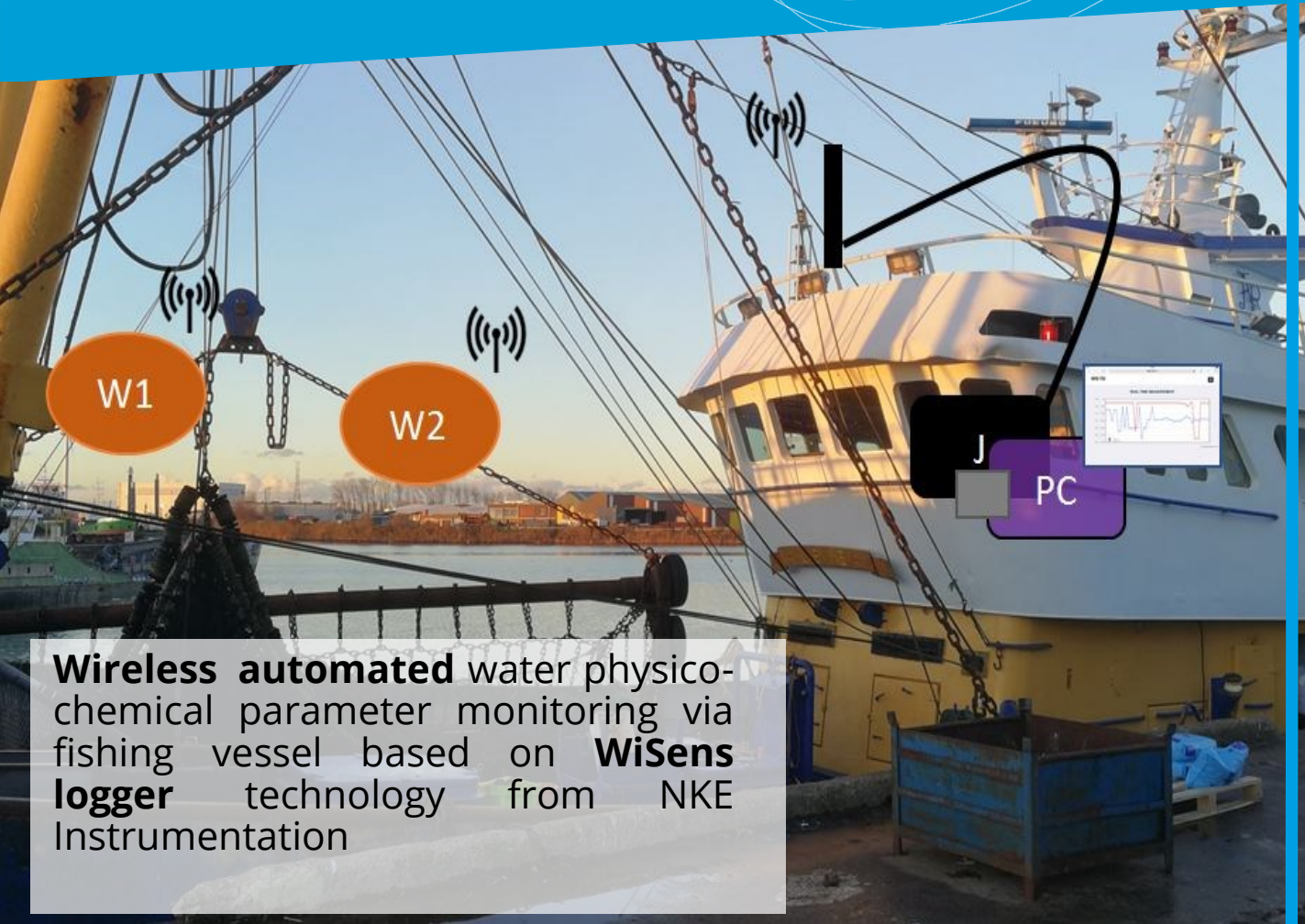
New

# WiSens automated receiving unit

*WiSens on fishing vessel — computer wireless automated reception*



Data loggers



**Wireless automated** water physico-chemical parameter monitoring via fishing vessel based on **WiSens logger** technology from NKE Instrumentation



[www.nke-instrumentation.com](http://www.nke-instrumentation.com)



# WiSens automated receiving unit

## WiSens TD some performances

### Temperature

- 0.005°C temperature accuracy
- Steinhardt and Bennett standards
- < 0,5 second response in temperature
- 0,001°C resolution

W1 & W2

### Pressure

- 0.15% range pressure accuracy
- 2<sup>nd</sup> order polynomial (pressure)
- 5mm resolution

### Other WiSens Possible :

- WiSens CTD - Salinity: 0,0003mS resolution
- WiSens TBD - Turbidity & Temperature and Pressure: 0.1FTU resolution

## WiSens TD mechanical features

- 23cm / 250g
- 50/500/1000m depth

The WiSens provided in their dedicated protection.

W1 & W2

These protections ensures general functioning of the WiSens as well a sufficient waterflow at sensor part to maintain qualitative measurement.



- Antenna for WiFi link to computer ideally placed on top of the cabin, in sight of nets.
- Junction box installed near the computer
- The best WiFi range selected based on vessel networks traffic
- An Ethernet cable from roof to the junction box and to the computer installed inside the cabin

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PC

- Data stored in .CSV format on computer into a dedicated folder extractable with USB key
- A visual graphical interface offers to the fisherman possibility of reading some of the results. An ICON when double clicked automatically opens the graphical tool
- The fisherman visualization tool is separated from raw. Data stored to ensure 100% integrity of .csv data



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